•			mage			1754
TRA	NSMITTAL	OF INFORMA	ATION DISCL R 1.97(b) or 1	OSURE STATEN .97(c))	IENT	Docket No. 43640/55295
In Re Apr Braga, et	olication Of	FEB 0 9 2004				
09/683,98	Serial No.	March 8	Filing Date , 2002	Exa Not yet assign	miner ed	Group Art Unit 1754
Title: Process a	and compositio	n for increasing	the reactivity of s	sulfur scavenging oxid	des	
				Address to: commissioner for Patents , Alexandria, VA 22313-1		
			37	7 CFR 1.97(b)		
i i	filing of a nation within three mainternational aportion of a first Office	onal application onths of the da oplication; before Action after the	other than a con ite of entry of the e the mailing of a filing of a reques	ted herewith is being attinued prosecution a see national stage as a first Office Action or at for continued examination of the cont	pplication under set forth in 37 of the merits, or l ination under 37	37 CFR 1.53(d); CFR 1.491 in an pefore the mailing CFR 1.114.
(CFR 1.97(b), p Final Action u	provided that the nder 37 CFR 1	Information Disc .113, a Notice o	closure Statement is of Allowance under 3 and is accompanied	filed before the 37 CFR 1.311,	mailing date of a
	the state	ement specified	in 37 CFR 1.97(e	e);		
		1	OR			
	the fee	set forth in 37 C	FR 1.17(p).			

TRANSMITTAL OF INFORMATION DISCLOSU (Indee37 CFR 1.97(b) or 1.97(Docket No. 43640/55295				
raga, et al. FEB 0 9 2004						
Serial No. Filing Date 9/683,988 March 8, 2002	Examiner	Group Art Unit				
0/683,988 March 8, 2002	Not yet assigned	1754				
		V				
Payme	nt of Fee					
(Only complete if Applicant elects to	pay the fee set forth in 37 C	FR 1.17(p))				
 A check in the amount of is attached. The Assistant Commissioner is hereby authorized to as described below. A duplicate copy of this sheet i		Account No. 20-0823				
Certificate of Transmission by Facsimile* Certificate of Mailing by Express Mail						
I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fax No.) on (Date)	on February <u>9</u> , 20 as Express Mail Labo 37 C.F.R. 1.10 a	ment and fee is being deposited 004 with the U.S. Postal Service el No. EL 991956756 US under and addressed to: Assistant Patents, P.O. Box 1450, 1-1450.				
Signature	Signature of Per	son Mailing Correspondence				
		iel S. Kasten				
*This certificate may only be used if paying by deposit account.		me of Person Mailing Certificate				
Signature Daniel S. Kasten, Reg. #45363 Thompson Coburn LLP One US Bank Plaza	Dated: February \underline{q}	, 2004				

Express Mail Label No. EL 991956756 US

Substitute for form 1449A/PTO	Complete if Known		
	Application Number	09/683,988	
O I P INFORMATION DISCLOSURE	Filing Date	March 8, 2002	
STATEMENT BY APPLICANT	First Named Inventor	Braga	
FEB 0 9 2004	Art Unit	1754	
\mathcal{S}	Examiner Name	Not yet assigned	
Sheet of 2	Attorney Docket Number	43640-55295	

	U.S. PATENT DOCUMENTS									
Examiner Initials	Cite No. 1		ber-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
		US-	4,187,282	2/1980	Matsuda et al.					
		US-	3,660,276	5/1972	Lacey					
		US-	3,832,445	8/1974	Kouwenhoven et al.					
		US-	3,907,666	9/1975	Chun et al.					
		US-	4,113,606	9/1978	Mulaskey					
		US-	4,149,997	4/1979	Araki et al.					
		US-	4,163,043	7/1979	Dezael, et al.					
		US-	4,246,244	1/1981	Fox					
		US-	4,251,495	2/1981	Deschamps, et al.					
		US-	4,310,497	1/1982	Deschamps, et al.					
		US-	4,344,842	8/1982	Fox					
		US-	4,366,131	12/1982	Fox					
	ŀ	US-	4,455,286	6/1984	Young, et al.					
		US-	4,550,098	10/1985	Gens					
		US-	4,593,148	6/1986	Johnson, et al.					
		US-	4,634,539	1/1987	Fox, et al.					
		US-	4,690,806	9/1987	Schorfheide					
		US-	4,695,366	9/1987	Miller, et al.					
		US-	4,722,799	2/1988	Ashbrook, et al.					
		US-	4,729,889	3/1988	Flytani-Stephanopoulos, et al.					
		US-	4,871,710	10/1989	Denny, et al.					
		US-	4,939,113	7/1990	Tauster, et al.					
		US-	4,959,202	9/1990	Minet et al.					
		บร-	4,983,367	1/1991	Denny, et al.					
		US-	4,990,318	2/1991	Kidd					
		US-	4,996,181	2/1991	Denny, et al.					
		US-	5,147,620	9/1992	Rozs					
		US-	5,227,351	7/1993	Gasper-Galvin, et al.					
		US-	5,244,641	9/1993	Khare					
		US-	5,447,551	9/1995	Huestis, et al.					
		US-	5,472,633	12/1995	Griffin, Jr., et al.					
		US-	5,478,541	12/1995	Samuels, et al.					
		US-	5,792,438	8/1998	Scranton, Jr.	·				
		US-	5,928,980	7/1999	Gangwal et al.					

		FOREIC	N PATENT DOC	UMENTS	···	
Examiner Initials	Cite No. 1	Foreign Patent Document Country Code ³⁻ Number ⁴⁻ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		791,411 (Soviet Union)	1/1981	Ivan Chem		
		90/14876 (PCT)	12/1990	Nielsen		

Signature	Examiner Signature	Date Considered
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PTO/SB/08B (08-03) Approved for use through 06/30/2006. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	Substit	tute for form 144	9B/PTO		Complete if Known		
	1 P ETNE	ORMATION	DISCLO	SURE	Application Number	09/683,988	
/1		TEMENT I			Filing Date	March 8, 2002	
					First Named Inventor	Braga	
	FEB 0 9 2004	 			Art Unit	1754	
	Á	y ise as many she	eets as neces	sary)	Examiner Name	Not yet assigned	
Y	THE MENT OF THE PARTY OF THE PA	2	of	2	Attorney Docket Number	43640-55295	

	·	NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	-	ANEROUSIS, JOHN P. After more than a century, iron sponge still soaks up hydrogen sulfide problems, Environmental Solutions, pages 69-73, September, 1994.	
	-	Author Unknown, NACE Basic Corrosion Course Alphabetical Subject Index, Houston:TX: National Association of Corrosion Engineers, October 1978.	
		FONTANA and GREENE, <u>Materials Science and Engineering Series: Corrosion Engineering</u> , pages 297-324, New York: McGraw Hill, 1978.	
	ſ	Getting the details right. Sulphuric Acid Technology, Sulphur, July, 1995.	
	-	Guidelines set for handling sour gas, Oil & Gas Journal, June 16, 1978.	
	,	Handling hydrogen sulfide in drilling fluids, part 2, World Oil, December 1989.	
	,	Iron Sponge is economical and effective for NGL sweetening, Oil & Gas Journal, September 23, 1985.	
3.0.000	•	Iron sponge: Still a top option for sour gas sweetening, Oil and Gas Journal, February 18, 1985	
		Measurement records vital for effective program, Oil & Gas Journal, July 9, 1990.	
		Rounding Up Sulfur, Chemical Engineering, February, 1995.	
	,	Sieves replaced by DEA system in gas plant to boost ethane recovery, Oil & Gas Journal, October 20, 1986	

Examiner	Da	ate	
Signature	Co	onsidered	

^{*} EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.